

Appl. No. 09/461,110
Amdt. Dated January 27, 2005
Reply to Office action of October 6, 2004
Attorney Docket No. P10796-US1
EUS/J/P/05-3022

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 -16. (Canceled)

17. (New) A method for synchronizing configuring data stored in a base station database with corresponding configuring data stored in a mobile services switching center (MSC) database, the base station database and the MSC database each being arranged in a data group or a plurality of data groups within each database, the method comprising the steps of:

calculating reference checksums for each of the data groups in the base station database and the MSC database;

monitoring all base station data groups;

comparing a calculated checksum of each data group in the base station database to the reference checksum of each corresponding data group in the MSC database; and

requesting a copy of the MSC data group for which a mismatch is found, to be downloaded to the base station database upon detecting a mismatch between a data group's reference checksum and the corresponding calculated checksum.

18. (New) The method of claim 17, further comprising:

subsequent to the step of calculating reference checksums, downloading the MSC data group reference checksums to the base station, wherein the reference checksum in each data group in the MSC database are calculated using the content of MSC configuring data.

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19. (New) The method of claim 17, wherein the step of comparing the MSC data group reference checksums to corresponding calculated base station data group checksums is initiated upon detecting operation disturbances in the base station.

20. (New) The method of claim 17, wherein the step of comparing MSC data group reference checksums to the corresponding calculated base station data group checksums further comprises repeating the comparison on a regular basis.

21. (New) The method of claim 20, further comprising repeating the comparison on a regular basis having a predetermined time interval between each comparison.

22. (New) The method of claim 20, further comprising performing the comparison for each data group in the base station database, wherein an individual time interval between comparisons is predetermined for each data group.

23. (New) The method of claim 17, further comprising the steps of:
performing checksum calculations of the configuring data for each base station data group; and
comparing the calculated checksums to the reference checksums received from the MSC.

24. (New) The method of claim 17, wherein the base station data groups are classified according to the need for the content of each data group, wherein the configuring data in a data group classified as more urgent is downloaded to the base station prior to downloading configuring data in a data group classified as less urgent and copies of the MSC configuring data for each data group are downloaded as needed in order according to the classification of the data group.

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25. (New) A system for synchronizing configuring data stored in a base station database with corresponding configuring data stored in a mobile services switching center (MSC) database, the base station database and the MSC database each being arranged in a data group or a plurality of data groups within each database, the system comprising:

means for calculating reference checksums for each of the data groups in the base station database and the MSC database;

means for monitoring all base station data groups;

comparison means for comparing a calculated checksum of each data group in the base station database to the reference checksum of each corresponding data group in the MSC database; and

means for requesting a copy of the MSC data group for which a mismatch is found, to be downloaded to the base station database upon detecting a mismatch between a data group's reference checksum and the corresponding calculated checksum.

26. (New) The system of claim 25, further comprising means for downloading the MSC data group reference checksums to the base station, wherein the reference checksum in each data group in the MSC database are calculated using the content of MSC configuring data.

27. (New) The system of claim 25, further comprising means for initiating comparison of the MSC data group reference checksums to the corresponding calculated base station data group checksums upon detecting operation disturbances in the base station.

28. (New) The system of claim 25, further comprising means for repeating the comparison of the MSC data group reference checksums to the corresponding calculated base station data group checksums on a regular basis.

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29. (New) The system of claim 28, wherein the means for repeating the comparison of the MSC data group reference checksums further comprises means for repeating the comparison on a regular basis having a predetermined time interval between each comparison.

30. (New) The system of claim 28, further comprising means for performing the comparison for each data group in the base station database, wherein an individual time interval between comparisons is predetermined for each data group.

31. (New) The system of claim 25, further comprising:
means for performing checksum calculations of the configuring data for each base station data group; and
means for comparing the calculated checksums to the MSC data group reference checksums received from the MSC.

32. (New) The system of claim 25, further comprising means for classifying the base station data groups, wherein the base station data groups are classified according to the need of the content of each data group, wherein the configuring data in a data group classified as more urgent is downloaded to the base station prior to downloading configuring data in a data group classified as less urgent and copies of the MSC configuring data for each data group are downloaded as needed in order according to the classification of the data group.